

E75-10089

CA 141153

SKYLAB

MONTHLY REPORT #17

A. TITLE: FEASIBILITY OF USING S-191 INFRARED SPECTRA FOR GEOLOGICAL STUDIES FROM SPACE.

B. PRINCIPAL INVESTIGATORS: R. J. P. Lyon: F. R. Honey
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C. PROPOSAL #9641

Contract #NAS 9-13357

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semination of Earth Resources Survey
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D. TECHNICAL MONITORS:

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Code TF 6
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E. PERIOD;

December 1, 1974-December 30, 1974

REMOTE SENSING LABORATORY
STANFORD UNIVERSITY
STANFORD, CALIFORNIA
94305

(E75-10089) FEASIBILITY OF USING S-191
INFRARED SPECTRA FOR GEOLOGICAL STUDIES FROM
SPACE Monthly Report, Dec. 1974 (Stanford
Univ.) 3 p HC \$3.25

CSCI 08G

N75-15107

Unclas

G3/43 00089

F. OVERALL STATUS (Problem areas, significant progress)

1. Funding has been received, retro-active to October 1, through a final date of March 31, 1975.
2. Program software is functioning now to meld the two-tape format of S-191 into a one-tape data file. A plot program is almost completed.

G. DATA RECEIVED TO DATE

See next page.

H. RECOMMENDATIONS (Decisions/Actions required to ensure attainment of scientific objectives).

None

I. EXPECTED ACCOMPLISHMENTS FOR NEXT PERIOD

Plotting of the S-191 and the aircraft tapes, obtaining melan (-1 S.D.) spectra for given sets of stop-and-start times.

J. SIGNIFICANT RESULTS

None as yet,

K. SUMMARY OF FUTURE EFFORT

Correlation studies of spectra from SL-3 for the Nevada targets with known geology of the sites.
Examination of atmospheric perturbation to the observation of spectra of ground targets from spacecraft.

L. TRAVEL SUMMARY AND PLANS

None,

G. DATA RECEIVED TO DATE

AIRCRAFT RB57						SKYLAB			
FILMS	BORESIGHT FILM	DATA LOGS	DATA TAPES	16mm. C.R.T. PLOTS		S190A	S190B	S191 DATA TAPES	S191 BORESIGHT FILM
SL2	N.R.	N.R.	N.R.	N.R.	N.R.	R.	N.R.	7 track (1 set of 2)*	R.
SL3	R.	R.	R.	R.	N.R.	R.	N.R.	7 track (3 sets of 2) 2nd generation (2 sets of 2)	R.

*Received unordered test tape and data tape (S192) from SL2 which we would like to retain for 3 months.

R. = Received

N.R.= Not Received